Task Brief

WP Number and Title	WP3	Technological implementation
Task Number and Title	T3.4	Enabling BHL Portal access in European languages – interfaces, usability, and mobility
Subtask Number and Title	**T3.4.2**	**Create a prototype portal in German to allow access to the BHL Portal**
Task Leader and Contact	AIT	kochw@ait.co.at[1]
Sub task Leader and Contact	AIT	herzoga@ait.co.at
Related Deliverable Number and Title	D3.5	Technical architecture status and progress report with particular focus on the development of the German prototype (M 12)
	D3.6	Release of German prototype (M 18)
	D3.7	Key components documented for output of D3.5 e.g. BHL-Europe Portal, OCR demonstrators, distributed storage model, etc. (M 24)
	D3.9	Live BHL-Europe system, with distributed storage and management and appropriate tools for the continued development of services and ingress of multilingual content (M 36)
Start Date	M6 1.10.2009	**End Date**	M18 31.10.2010

1   Partners involved

Partner	PM	Contact (email)	Obligation
02 NHM		a.smales@nhm.ac.uk	**WP3 Leader**
05 AIT	10	kochw@ait.co.at	**T3.4 leader**
07 FUB-BGBM		a.guentsch@bgbm.org	Contribution to T3.4
26 MOBOT		Chris.Freeland@MOBOT.ORG	Contribution to WP3

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[1] Minutes Tech Workshop: http://bhl.wikispaces.com/file/view/BHL-E_TechWorkshop.pdf [14 May 2009]

Task Brief 3.4.2

2 Objectives

This task uses the results of T3.2.3. Until T3.2.3 is not finished, the methodology described in this task brief will be used. Next to the prototype, the final implementation will be created within this subtask to supply information for T3.4.3. The used portal software will be the PHP CMS Drupal.[2]

3 Methodology

This task is one of the implementation tasks as shown in Figure 3-1. The task leaders need to coordinate the interfaces at OAIS Access to define the services available for the portal.
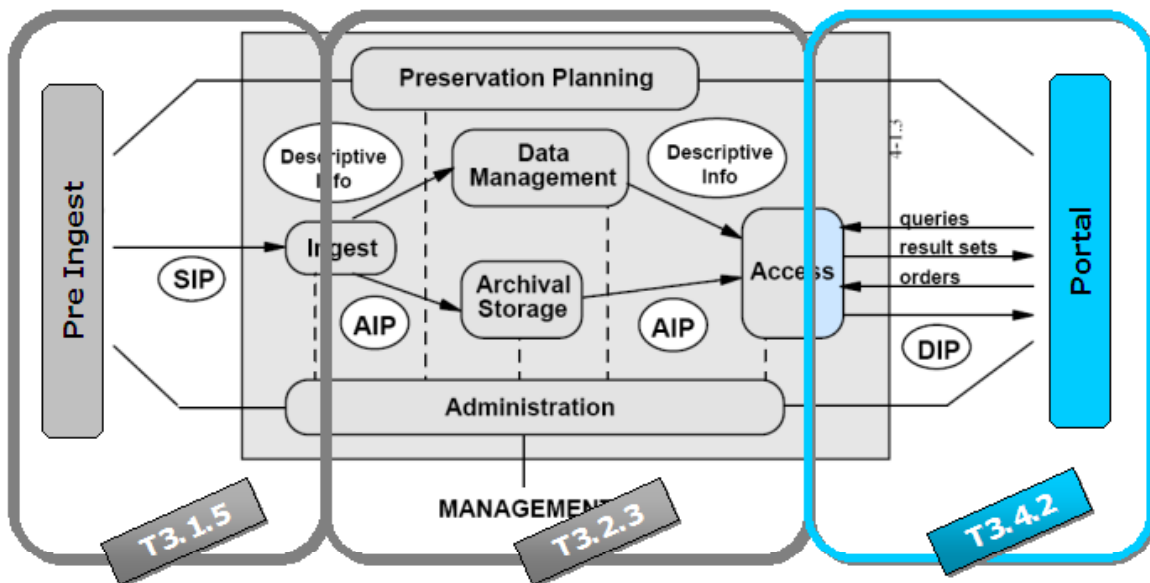

Figure 3-1 Implementation tasks overview

The development of the portal makes use of a prototype as shown in Figure 3-2. Next to the already available AIT software, a new portal based on Drupal will be created.
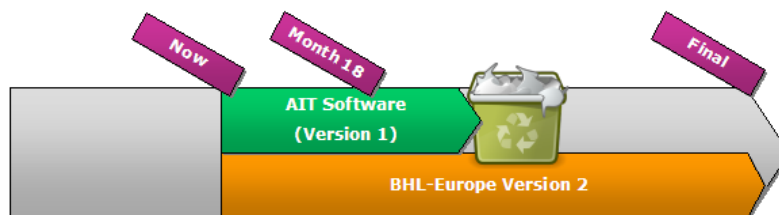

Figure 3-2 Using an existing throwaway prototype

The throwaway prototype does not support the usage of an OAIS Archival Storage nor a broadly sophisticated Pre-Ingest. Therefore, implementing new features is not recommended hence the "throwaway" methodology. Features available within the portal will be documented and ported to the Drupal based portal. As the AIT software is easily distributable, it will be shipped to NHM as VMWare Image for deployment under

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[2] Prague TMBNotes: https://bhl.wikispaces.com/BHL-Europe+Meeting+Prague+TMBNotes [18. Nov 2009]

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http://www.biodiversity.eu. The prototype already supports multilingual search and interfaces. This functionality must be ported to the final BHL Europe system.[3]

Search Engine Optimation (SEO), at least for Google, must be done for the final BHL Europe system.

4   Description of Work

This chapter describes the activities done by each partner to achieve this sub task.

4.1   Set up throwaway prototype based on AIT software

Participants: AIT, NHM
Related tasks: T3.4.1, T3.2.3
Deliverables: D3.6

This activity will create and provide a working throwaway prototype for BHL Europe to be deployed at NHM as VMWare Image.

- Create VMWare Image
    - *AIT* will set up a new VMWare Image for deployment
- Deploy "throwaway" prototype
    - *AIT* will deploy the software and data from current http://bhl.ait.co.at
- Install Solr
    - *AIT* will install Solr as test indexing service for BHL according to T3.2.3
    - *AIT* will index all available titles from T3.4.1
- Pack and send VMWare Image
    - *AIT* will send NHM the image
    - *AIT* and *NHM* will configure the Image to work with
      http://prototype.biodiversity.eu

This VMWare Image is the deliverable D3.6 and will be provided to NHM in month 13. As this task ends with month 18, the prototype can be accessed at the subdomain until the end of the project. Meanwhile, the VMWare Image can be hosted by AIT. It will be removed by T3.4.3 once the final version surpasses the functionality provided by the prototype.

4.2   Set up Drupal Portal

Participants: AIT, NHM, MOBOT
Related tasks: T3.4.1, T3.2.3
Deliverables: D3.5, D3.7, D3.9

As soon as NHM provides the servers, AIT can set up Drupal as portal software at http://dev.biodiversity.eu. This installation will show latest features and will be updated to the final portal site, when needed.

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[3] Requirements for Protptype: https://bhl.wikispaces.com/BHL-E_Prototype [01. March 2010]

4.3 Integrate multi lingual portal features

Participants: AIT
Related tasks: T3.4.1, T3.2.3
Deliverables: D3.5, D3.7, D3.9

When Drupal is set up, the multilingual portal features like multilingual search will be added to the user interface. This includes

- Integration of controlled vocabulary based on D3.4
- Provide instructions for portal translation
- Integration of dictionary search options

These are features available in the prototype and will be ported as well as improved as needed by AIT as this is AIT's core competence. This activity is one of the base implementations for D3.9 and provides documentation for D3.5 and D3.7.

4.4 Connect to Access

Participants: AIT
Related tasks: T3.2.3, T3.4.3
Deliverables: D3.5, D3.7, D3.9

Access will provide the only interface the portal has to deal with in terms of the BHL Europe data. Next to the data and search services, lookup functionality and multilinguality needs to be integrated for the search.

This activity will provide documentation for D3.5 and D3.7 as well as be part of the final BHL Europe system and therefore D3.9.

The connection to the OAIS components Preservation Planning and Administration will be done in T3.4.3.

4.5 Incorporate user survey feedback[4]

Participants: AIT, NHM, FUB-BGBM, MOBOT
Related Deliverables: D5.8
Deliverables: D3.9

The user survey feedback will be available in month 14 through D5.8. The feedback will be integrated into D3.9.

4.6 Continuous integration

Participants: AIT, NHM, FUB-BGBM, MOBOT
Related tasks: T3.1
Deliverables: D3.9

According to the overall coordination defined in T3.1 AIT will integrate improvements of the portal into the final BHL Europe system (D3.9)

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[4] Requirements for Protptype: https://bhl.wikispaces.com/BHL-E_Prototype [01. March 2010]